

**AMENDMENTS TO THE CLAIMS***CLAIMS 1-21 Canceled*

22. (Currently Amended) A method to calibrate imager device responses, comprising:
- presenting a plurality of light radiating sources;
  - producing a first set of responses from a spectrophotometer based on the plurality of light radiating sources;
  - producing a second set of responses from an imager by exposing an the imager device to the plurality of light radiating sources; and
  - determining calibrating coefficients from the first set of responses and the second set of responses.
23. (Previously Presented) The method of claim 22, wherein presenting a plurality of light radiating sources includes presenting three to more than five light emitting diodes, wherein each light emitting diode includes a different spectral radiation characteristic within the spectral sensitivity of the human visual system.
24. (Previously Presented) The method of claim 23, wherein presenting three to more than five light emitting diodes includes presenting five light emitting diodes having the peak wavelengths of 430nm, 470nm, 545nm, 590nm, and 660nm, respectively.
25. (Previously Presented) The method of claim 22 wherein producing the first set of responses includes mapping the first set of responses as red, green, and blue values into a plurality of XYZ tristimulus values.
26. (Previously Presented) The method of claim 22 wherein producing the first set of responses based on the plurality of light radiating sources includes exposing a spectrophotometer to the plurality of light radiating sources.
27. (Previously Presented) The method of claim 22 wherein exposing the imager device to the plurality of light radiating sources includes illuminating the imager device sequentially with each of the light radiating sources.